

M1117 Guardian Armored Security Vehicle (ASV) ASV-150

The **Armored Security Vehicle-150 (ASV-150)** is an armored wheeled vehicle equipped with a turret and armament system designed to meet the [security](#) mission requirements of the Military Police Corps. The ASV-150 is a 4 wheel drive vehicle equipped with a 260 horsepower diesel engine, 6 speed automatic transmission and all wheel independent suspension that offers a quality ride while providing superior mobility, agility and handling. The ASV-150 turret is equipped with an improved 40mm MK 19 grenade launcher and 12.7mm machine gun and can be traversed 360 degrees and the weapons elevated between -10 to +60 degrees. The vehicle features roll-on/roll-off C130 transportability in the fully operational configuration.

The ASV is a lightly armored, all wheel drive vehicle that provides ballistic protection for the Military Police crew members against various threats. These threats include: 7.62mm Ball for the entire vehicle; 12.7mm AP to the crew compartment, weapons station and ammunition [storage area](#); overhead protection from 60mm mortar fragments at 10 meters radius of burst, as a minimum, and 155m artillery air-burst at 15m. Protection is also required against anti-personnel mines and anti-tank mines up to an equivalent of 12 lbs. of TNT.

The ASV carries MK-19 grenade machine-gun (MK-19 GMG) (turret mounted); M2 .50 caliber machine-gun (turret mounted); and the M249 5.56mm Squad Automatic Weapon (SAW). The ASV has a payload of 3,360 lbs. The ASV operates on standard JP8 diesel fuels, is capable of being towed, performs self-recovery, can recover equivalent vehicles and mounts a tow pintle rated at 500 lb. The ASV is C-130 transportable and larger aircraft, rail, highway and marine transport modes. The ASV is employed by MP three-man teams designed to perform missions across the entire operational continuum. The ASV payload requirement is established at 3,360 lbs. The payload includes three man crew and one additional soldier, all their combat gear, internal stowage per occupant, cargo, ammunition, ancillary equipment, related hardware, basic issue items with at least 27 cubic feet (0.76 cubic meters) of interior volume per individual.

The ASV is capable of towing and being towed from the front by a like vehicle at its GVW for a distance of at least 100 miles (161 km) at a minimum speed of 35 mph (56.4 km/hr). The ASV is also capable of towing the M1025/M1026, and Up-Armored HMMWV models without damage to either vehicle. The ASV is capable of ascending and descending a 40% slope with no degradation to requirements when towing a two-wheeled M1102 trailer with a GVW of 4,200 lbs., the M1101 trailer with a GVW of 3,400 lbs. or the 3/4 ton M101 series cargo trailer.

The ASV includes an organic winch capable of producing a minimum rated pull capacity of 15,000 lbs. (6,795 kg) to permit self-recovery and/or recovery of other systems as required.

